Sulfobutyl Ether-Beta-Cyclodextrin Sodium  USP MSDS
Section 1. Chemical Product and Company Identification

**Chemical Name:** Sulfobutyl Ether-Beta-Cyclodextrin, Sodium Salts  
**Identified uses:** Laboratory chemicals, Manufacture of substances  
**Manufacturer:** SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248  
**Supplier add:** Building A20. 3802 Lane ShenGang Road. Songjiang, Shanghai, China 201611  
**Supplier telephone#:** (021)-6760-1368  
**Emergency telephone#:** (021)-6253-3429

Section 2. Hazards Identification

**Classification of the substance or mixture**  
Not a dangerous substance according to GHS. This substance is not classified as dangerous according to Directive 67/548/EEC.

**Label elements**  
The product does not need to be labelled in accordance with EC directives or respective national laws.

**Other hazards - none**  
The product does not need to be labelled in accordance with EC directives or respective national laws.

Section 3. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS#</th>
<th>%by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfobutyl Ether-Beta-Cyclodextrin, Sodium Salts</td>
<td>182410-00-0</td>
<td>100%</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures
**Description of first aid measures If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration.

*In case of skin contact*
Wash off with soap and plenty of water.

*In case of eye contact*
Flush eyes with water as a precaution.

*If swallowed*
Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Indication of immediate medical attention and special treatment needed**
no data available

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**Section 5. Fire-Fighting Measures**

**Extinguishing media** Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**
Nature of decomposition products not known.

**Precautions for fire-fighters**
Wear self contained breathing apparatus for fire fighting if necessary.

**Further information**
no data available

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**Section 6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**
Avoid dust formation. Avoid breathing vapors, mist or gas.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up**
Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections**
For disposal see section 13.

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**Section 7. Handling and Storage**
Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

Specific end uses

No data available

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure Controls

Appropriate engineering controls
General industrial hygiene practice.

Personal Protective Equipment:

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as N

Section 9. Physical and Chemical Properties

Appearance
Form: Solid

Odour
No data available
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
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</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
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<tr>
<td>Relative density</td>
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</tr>
<tr>
<td>Water solubility</td>
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</tr>
<tr>
<td>Partition coefficient: octanol/water</td>
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</tr>
<tr>
<td>Autoignition</td>
<td>No data available temperature</td>
</tr>
<tr>
<td>Decomposition</td>
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<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Explosive properties</td>
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<tr>
<td>Oxidizing properties</td>
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</table>

**Section 10. Stability and Reactivity**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Stability</td>
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<tr>
<td>Chemical Stability</td>
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<tr>
<td>Possibility of hazardous reactions:</td>
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<tr>
<td>Conditions to avoid</td>
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<tr>
<td>Incompatible materials</td>
<td>Strong oxidizing agents</td>
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<tr>
<td>Hazardous decomposition products</td>
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</table>
Section 11. Toxicological information

Information on toxicological effects

Acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure
no data available

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Potential health effects

Acute effects May be harmful by inhalation, ingestion, or skin absorption. May cause eye irritation. May cause skin irritation. To the best of our knowledge, the chemical, physical, and Toxicological properties have not been thoroughly investigated.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information
RTECS: Not available

Section 12. Ecological information
**Section 13. Disposal Considerations**

Waste treatment methods Product
Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging
Dispose of as unused product.

**Section 14. Transport Information**

<table>
<thead>
<tr>
<th>DOT Classification</th>
<th>Not dangerous goods</th>
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</thead>
<tbody>
<tr>
<td>Identification</td>
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<td>Special Provisions for Transport</td>
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<tr>
<td>DOT(pictograms)</td>
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**Section 15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

Chemical Safety Assessment
no data available

**Section 16. Other Information**

| MSDS Code | S2400C |
| References | Not available |
| Other information | Not available |

Prepared by QA Department 2014-10-110  
Verified by QA Department 2014-10-10
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